

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1908	(training near3 (sequenc\$3 or bit or signal or symbol)) same (scal\$3 or scaling or adjust\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 07:39
L2	8	US-5117441-\$.DID. OR US-5251233-\$.DID. OR US-4583048-\$.DID. OR US-5778022-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 07:39
L3	12444	(375/147 or 375/148 or 375/149 or 375/150 or 375/152 or 375/354 or 327/141 or 370/503 or 370/509). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 07:39
L4	89	(L2 or L3) and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 10:41
L5	1081	((var\$3 or vary or varies or adjust\$3) near3 (scale or scaling)) same (map\$3 or quantized or quantization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 10:47
L6	4	(2 or 3) and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 10:47
L7	407	((var\$3 or vary or varies or adjust\$3) near3 (scale or scaling)) same (map\$3 or quantized or quantization) and (timing or synchroniz\$5 or clock\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 10:50
L8	3	(2 or 3) and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 10:48

## EAST Search History

L9	11	((var\$3 or vary or varies or adjust\$3) near3 (scale or scaling)) same (map\$3 or quantized or quantization) and (timing or synchroniz\$5 or clock\$3) and ((training or pilot) near3 (sequence or symbol or bit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/29 11:50
L10	6	((FABIAN) near2 (WENGER)).INV.	US-PGPUB; USPAT	OR	ON	2006/11/29 11:50
L11	3	((FABIAN) near2 (WENGER)).INV.	EPO; JPO; DERWENT	OR	ON	2006/11/29 11:52
L12	6	((UWE) near2 (DETTMAR)).INV.	US-PGPUB; USPAT	OR	ON	2006/11/29 11:54
L13	8	((UWE) near2 (DETTMAR)).INV.	EPO; JPO; DERWENT	OR	ON	2006/11/29 11:55
L14	16	((UDO) near2 (WACHSMANN)).INV.	US-PGPUB; USPAT	OR	ON	2006/11/29 11:56
L15	14	((UDO) near2 (WACHSMANN)).INV.	EPO; JPO; DERWENT	OR	ON	2006/11/29 12:01
L16	51	((PETER) near2 (SCHRAMM)).INV.	US-PGPUB; USPAT	OR	ON	2006/11/29 12:02
L17	56	((PETER) near2 (SCHRAMM)).INV.	EPO; JPO; DERWENT	OR	ON	2006/11/29 12:11
S1	8	US-5117441-\$.DID. OR US-5251233-\$.DID. OR US-4583048-\$.DID. OR US-5778022-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 08:55
S2	4	US-5117441-\$.DID. OR US-5251233-\$.DID. OR US-4583048-\$.DID. OR US-5778022-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 10:08
S3	0	wo-199724819-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 09:46
S4	2	wo-9724819-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:13

## EAST Search History

S5	2	("6768713").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 10:54
S6	12444	(375/147 or 375/148 or 375/149 or 375/150 or 375/152 or 375/354 or 327/141 or 370/503 or 370/509). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 10:56
S7	545	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) same ((timing or clock\$3) near4 (track\$3 or recover\$3 or synchroniz\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:33
S8	7285	correlat\$3 and quantiz\$3 and scal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:08
S9	50	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:21
S10	100855	(joint\$3 or together) and complex and map\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:10
S11	44	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:10
S12	158055	(detect\$3 or alert\$3) and threshold and maximum and (compar\$3 or similarit\$3 or differenc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:26

## EAST Search History

S13	42	S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:24
S14	20801	((comput\$3 or determin\$3 or calculat\$3 or estimat\$3) near3 (tim\$3 or synchroniz\$3)) same (correlat\$3 or convolution or convolv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:17
S15	8	US-5117441-\$.DID. OR US-5251233-\$.DID. OR US-4583048-\$.DID. OR US-5778022-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:03
S16	1	S15 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:19
S17	2	S14 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:21
S18	4856	S14 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:24
S19	153	S8 and S10 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:25
S20	2010	(detect\$3 or alert\$3) and (threshold same (maximum near3 power)) and (compar\$3 or similarit\$3 or differenc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:27

## EAST Search History

S21	24	S8 and S10 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:45
S22	3429	(375/354).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 11:46
S23	2212	(375/355 or 375/362).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 11:47
S24	22	S7 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:33
S25	3	("4656648"   "4669095"   "5048058").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 14:10
S26	0	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) same ((timing or clock\$3) near4 (track\$3 or recover\$3 or synchroniz\$3)) same (quantiz\$3 near3 (together or jointly or joint\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:35
S27	0	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) same ((timing or clock\$3) near4 (track\$3 or recover\$3 or synchroniz\$3)) and (quantiz\$3 near3 (together or jointly or joint\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:36
S28	4	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) same (quantiz\$3 near3 (together or jointly or joint\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 14:38
S29	43	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) and (quantiz\$3 near3 (together or jointly or joint\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:05

## EAST Search History

S30	39	(training near3 (sequenc\$3 or bit\$3 or signal or symbol)) and (quantiz\$3 near3 (together or jointly or joint\$3)) and (timing or tim\$3 or synchroniz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:07
S31	43	((training or pilot) near3 (sequenc\$3 or bit\$3 or signal or symbol)) and (quantiz\$3 near3 (together or jointly or joint\$3)) and (timing or tim\$3 or synchroniz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:43
S32	2	((training or pilot) near3 (sequenc\$3 or bit\$3 or signal or symbol)) same (quantiz\$3 near3 (together or jointly or joint\$3)) same (timing or tim\$3 or synchroniz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:08
S33	27	((train\$5 or pilot) near3 (sequenc\$3 or bit\$3 or signal or symbol)) and (quantiz\$5 near3 (together or jointly or joint\$3)) and (timing or tim\$3 or synchroniz\$3) and (complex or (imaginary and real))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:00
S34	27	((train\$5 or pilot or negotiat\$3) near3 (sequenc\$3 or bit\$3 or signal or symbol)) and (quantiz\$5 near3 (together or jointly or joint\$3)) and (timing or tim\$3 or synchroniz\$3) and (complex or (imaginary and real))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:54
S35	2	("6144709").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/28 16:14
S36	5	("5228057"   "5373507"   "5838672"   "5912932"   "5917856").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 16:14
S37	4	("4873683"   "5090028"   "5228057"   "5241545").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 16:53
S38	27	(((train\$5 or pilot or negotiat\$3) near3 (sequenc\$3 or bit\$3 or signal or symbol)) or (unprocess\$3 near3 (tap near3 matched adj filter))) and (quantiz\$5 near3 (together or jointly or joint\$3)) and (timing or tim\$3 or synchroniz\$3) and (complex or (imaginary and real))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:00

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S39	283	((train\$5 or pilot or negotiat\$3) near3 (sequenc\$3 or bit\$3 or signal or symbol) or (unprocess\$3 near3 (tap near3 matched adj filter)))and (quantiz\$5 near3 (together or jointly or joint\$3 or vector\$3)) and (timing or tim\$3 or synchroniz\$3) and (complex or (imaginary and real))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:21
S40	99	((train\$5 or pilot or negotiat\$3) near3 (sequenc\$3 or bit\$3 or signal or symbol) or (unprocess\$3 near3 (tap near3 matched adj filter))) same (quantiz\$5 near3 (together or jointly or joint\$3 or vector\$3)) and (timing or tim\$3 or synchroniz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:30
S41	8	("4112370"   "4731801"   "4829543"   "4885757"   "5031193"   "5081651"   "5091918"   "5164959").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/28 17:41
S42	185	(training near3 (sequence or signal or bit or symbol)) same ((quantiz\$5 near3 (vector)) or ((scaling or scale) near3 (factor or value)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:49
S43	8958202	(timing or tim\$3 or synchronization or synchroniz\$3 or synchronized)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:45
S44	59	S42 same S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:46
S45	342	((training or pilot) near3 (sequence or signal or bit or symbol)) same ((quantiz\$5 near3 (vector)) or ((scaling or scale) near3 (factor or value)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:49
S46	103	S45 same S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 17:50